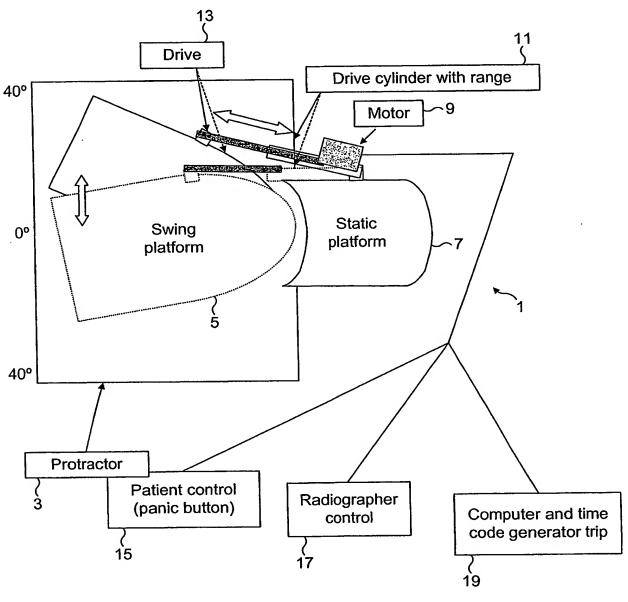
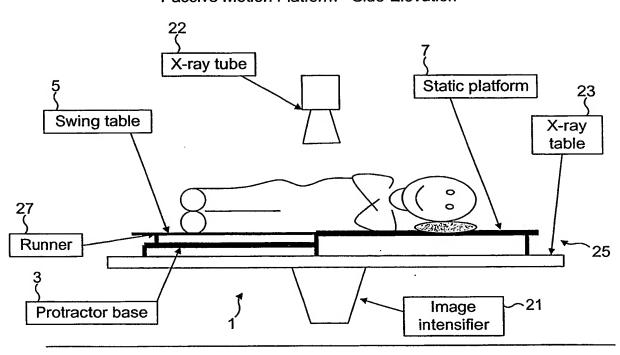
FIG. 1a
Passive Motion Platform - Top Elevation



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FIG. 1b

Passive Motion Platform - Side Elevation



X-ray

machine console

Time code

generator

3/8

FIG. 2a Linked Components of the System Lead glass screen Swing table motor Swing table control linkage X-ray machine control linkages Intensifier output linkages lmage 0 0 0 0 Image display Computer

FIG. 2b

X-ray image of a vertebra with implated surgical screws and rods with outline of templates denoting areas of bone image enclosed for automatic tracking.

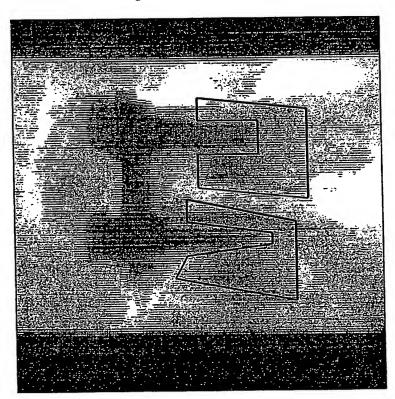


FIG. 3a

Example of automated tracking results: An automated registration of one intervertebral joint through a full sidebending range

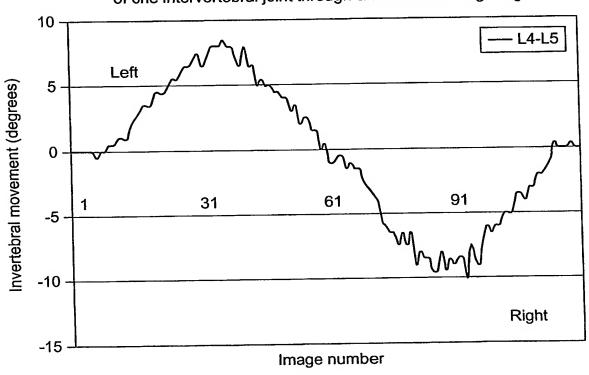


FIG. 3b

Example of automated tracking results: Average of ten automated registrations of a series of mobile intervertebral loins through a full sidebemding range for 4 vertebrae simultaneously

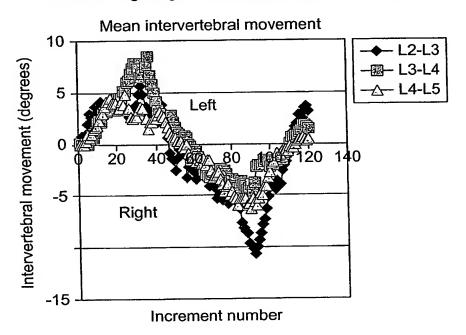


FIG. 4

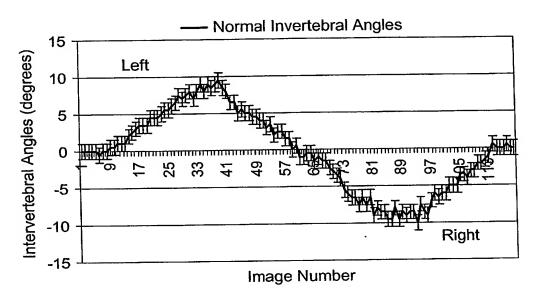


FIG. 5

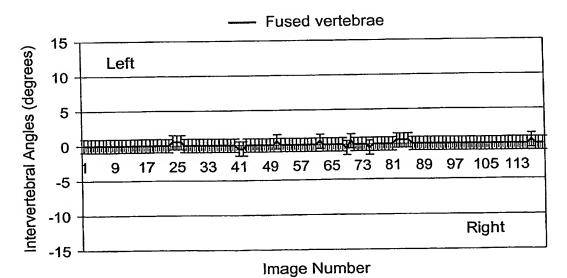


FIG. 6

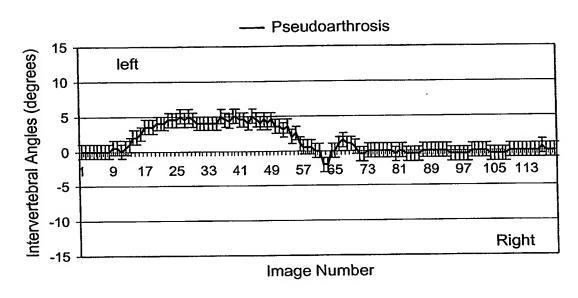


FIG. 7

